

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Hirst *et al.* Confirmation No.: 8699
SERIAL NUMBER: 09/674,935 EXAMINER: HINES, JANA A
FILING DATE: December 21, 2000 ART UNIT: 1645
FOR: Vaccine

Mail Stop AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSLATION OF CITED FOREIGN REFERENCES

UNDER 37 C.F.R. §1.98(1)(3)(ii)

Pursuant to the duty of disclosure under 37 C.F.R. § 1.98(a)(3)(ii), Applicants hereby make of record the translations of the portions of the following foreign and non-patent references listed in the Information Disclosure Form PTO/SB/08a in the above referenced application:

Abstract of WO 99/26654 (A1) in corresponding JP2000-523729

The present invention relates to a vaccine containing at least one particulate immunogen and an adjuvanting amount of B subunits of heat-labile enterotoxin characteristic of E. Coli. More in particular, this invention relates to vaccines wherein the adjuvanting LTB is free from contaminating A subunits or holotoxin. To this end, preferably, use is made of LTB prepared by recombinant DNA techniques. The particulate immunogens can relate to or can be derived from e.g. viruses, bacteria or fungi. This vaccine is particularly suitable for the induction of a protective response against said particulate immunogen upon mucosal (e.g. intra-nasal) administration. It was found that such administration results in both systemic and mucosal protection against the pathogen to which the particulate immunogen relates.

It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the

present claims, and signs the enclosed form PTO/SB/08a to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. **50-0311**, Reference No. **34407-503**.

Respectfully submitted,

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